

1

SEQ. ID NO.: 1 is a transducinome protein (fly) amino acid sequence.

5 PNTKTTGIFI

IKEADFKIEL

GGQGMGQGG

RDMTGRIIRTE

YNMMKDLRRI

15 IKPGDEIVEV

VKPIKKFPTA

IFISDLREGS

TMILLTLKSE

ELKVEKKPMG

25 INGTPIHVGs

AGKELGLSLS

PFQVCYALFK

GANGKVSMEV TRPKPTLRTE APKA

SEQUENCE ID NUMBER 2

SEQ. ID NO. 2 is a transducisome protein (fly) nucleotide sequence.

(InaD) mRNA, complete cds InaD cDNA

5 ATGGTTCAGTTCCTGGGCAAACAGGGCACCGCGGGTGAGCTCATTCA
CATGGTGACCCTGGACAAG
ACGGGCAAGAAGTCCTTCGGCATCTGCATAGTGCGCGGCGAGGTGAA
GGATTCGCCCCAACACCAAGACAA
CCGGCATCTTCATCAAGGGCATTGTGCCGACAGTCCCGCGCATCTGT
10 GTGGTCGCCTAAAGGTTGGCGA
TCGGATCCTCTCGCTCAACGGAAAGGATGTGCGCAACTCCACCGAAC
AGGCGGTCATCGATCTCATCAAG
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CGATGAGCAGCAGGCCAAGTCAG
15 ATCCGCGGAGCAATGGCTACATGCAGGCCAAGAACAAGTTCAATCAG
GAGCAGACCACCAACAACAATGC
GTCCGGAGGTCAGGGAATGGGGCAAGGTCAGGGTCAGGGTCAGGGA
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TCGATGCAGAAGCGGAATACCAATTCACGGCCTCGATGCGTCAGAA
20 GCATAGTA ACTACGCCGACGAGG
ATGACGAGGACACCCGGGACATGACCGGTCGCATTTCGCACGGAGGCG
GGTTATGAGATCGATCGAGCCTC
CGCCGGTAATTGCAA ACTTAATAAGCAGGAAAAGGATCGCGACAAG
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25 ACGATGGCTAAGATCAACAAGCGGTACAACATGATGAAGGATCTGCG
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AAGATGGCCTGCTTTGTTGCCGG
TGTGGATCCCAACGGAGCATTGGGCAGCGTGGACATTAAGCCGGGGCG
30 ACGAGATCGTCGAGGTCAACGGC
AATGTGCTTAAGAATCGCTGCCACTTGAACGCCTCCGCCGTGTTCAAG
AGCGTGGATGGGGATAAGCTCG
TGATGATCACCTCGCGACGCAAGCCCAACGATGAGGGCATGTGCGTC
AAGCCCATCAAAAAGTTCCCCAC
35 CGCGTCTGATGAGACTAAGTTTATCTTCGACCAGTTTCCCAAGGCGCG

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CACGGTGCAGGTGCGCAAGGAG
GGTTTCCTGGGCATCATGGTCATCTATGGCAAGCACGCTGAGGTGGG
CAGTGGCATTTCATCTCGGATC
TGAGAGAGGGATCGAATGCCGAGTTGGCGGGCGTGAAAGTGGGCGA
5 CATGCTGCTGGCCGTTAATCAGGA
TGTAACACTGGAATCCAACACTACGATGATGCTACTGGACTGCTTAAAC
GTGCCGAGGGCGTAGTGACCATG
ATTCTATTGACTCTCAAGAGCGAGGAGGCGATAAAGGCTGAGAAGGC
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10 AGGCCAAGAAAGAGGAGGAAAAAGCCACAGGAACCCGCCACAGCCGA
GATCAAGCCGAACAAAAAGATACT
CATTGAGTTGAAGGTGGAAAAGAAGCCAATGGGCGTCATCGTCTGCG
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15 CGACAAGCGCCTCAAGATCTTTG
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20 TTTAACGTTGACCTTATGAAAAAAGCAGGCAAGGAGCTGGGCCTGTC
GCTGTCTCCCAACGAAATTGGAT
GCACCATCGCGGACTTGATTCAAGGACAATACCCGGAGATTGACAGC
AAACTGCAGCGCGGCGATATTAT
CACCAAATTCAATGGCGATGCCCTGGAGGGTCTTCCGTTCCAGGTGTG
25 CTACGCCTTGTTCAAGGGAGCC
AACGGCAAGGTATCGATGGAAGTGACACGACCCAAGCCCACTCTACG
TACGGAGGCACCCAAGGCCTAGA
GACGATCCTCATTCTCCTCTCCGTAGCGAAGCAGT